

ABSTRACT OF THE DISCLOSURE

[0077] A method and apparatus are provided for estimating an impedance through a node at an intersection between roads in a roadway network. The impedance may be measured in time or distance, for example. Characteristic information describes at least one feature of the intersecting roads. One or more pieces of characteristic information may impact the impedance of traffic through an intersection and are used to estimate the impedance through the node. Examples of characteristic information are speed information, road-type, network routing level, intersection angle information, one-way, and cross traffic turn information. An impedance factor, or a cost, is assigned to each piece of characteristic information. The cost may be positive if the characteristic information adds impedance to the node, or negative if the characteristic information subtracts impedance from the node.